## Coconino Community College

**Construction Technology Management Dept.** 



- Sustainable Green Building (AAS)
- Alternative Energy Technology (AAS & Certificate)
- Environmental and occupant issues
- Sustainable Building design
- Mobile Workforce Unit



Owner: Coconino Community College

Award: Community Model

### Barnard & Vosick Residence

- Multigeneration purpose design
- All faucets, showerheads and toilets are low-flow
- Low VOC materials
- Rainwater collection for irrigation
- Xeriscape with native seeds to restore site
- Rassive solar design
- Durable finishes for flooring, roof & siding
- On-demand hot water system
- Building envelope highly insulated and tightly sealed to prevent energy loss.



Owner: Geoff Barnard & Diane Vosick

**Builder: Dave Pabst** 

Designer: Hope Construction

Award: Intermediate

#### **Eccleston Residence**

- Evacuated tubes, solar thermal heating for domestic hot water and radiant floor heating
- Excess building materials donated to a non-profit building association
- No chemical or herbicides used on site
- Rainwater harvesting and greywater system
- Outdoor living space with access to urban trails
- Representation Pure Wash Eco-Friendly laundry system
- Rassive solar design
- Cow-flow faucets and showerheads



Owner/Builder: Bobby and Cheryl Eccleston w/ Barden Home Builders

Designer: T Averill Architect

## **Grand Canyon Trust Volunteer Barn**

03

- Representation Passive solar site orientation
- Energy efficient windows, natural lighting and solar tubes
- Site conservation: soil reuse, planned composting, xeriscaping, semi-pervious parking area
- Materials from old barn was salvaged and used on other local building projects.
- Low-water landscaping with native plants
- Metal roof for rain water harvesting
- On-site recycling and solar PV
- Permaculture landscape through community workshop







**Builder: Harmony Builders** 

Designer: Rick Moore/PWM Architect

## Florence Duplex

- 99% Made in America materials and products
- Advanced framing: spray foam insulation
- Energy Star appliances, LED & CFL lighting
- Read HERS rating 46 and blower door testing
- Xeriscape landscaping
- Cross ventilation for seasonal cooling
- 90% of material waste was recycled and/or reused
- □ Durable finishes for floor, roof & siding
- Formaldehyde-free insulation for building envelop insulation







Owner: Lumberjack Lodging

**Builder: Hope Construction** 

### **Thomas Residence**



- Accessory Dwelling Unit (ADU)-High density multi-use
- Rainwater distribution system
- No chemical pesticides or herbicides
- Energy Star appliances and passive clothing system
- □ Day-lighting strategy
- Natural ventilation strategy
- Recycled and salvaged material use
- Surplus building materials were recycled and/or donated
- Xeriscaping
- CR Low-flow toilets





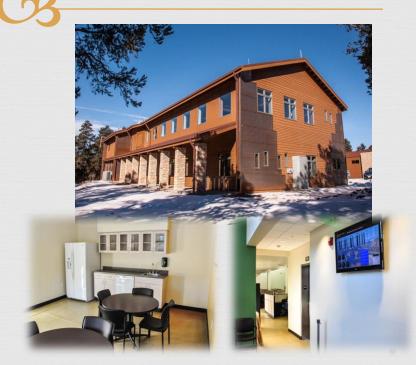
Owner: Susan Thomas

**Builder: Green Mountain Construction** 

Designer: JWA Architects

## Grand Canyon Science and Resource Management Building

- LEED Platinum Certified
- Resive solar design
- Smart wiring for lighting control and communication
- Natural lighting with solar tubes and light shelves
- Photovoltaic solar panels installed on the roof
- Solar hot water heaters
- Rainwater & Greywater reuse
- ≈ 85% of construction waste was recycled or repurposed
- Local and sustainable material used



Owner: Grand Canyon National Park Service

Builder: Loven Contraction & Civil Design

Engineering

Designer: DCM Architect & Engineering, LLC

### Ward Residence

03

- Top soil conservation & erosion control
- Staggered stud construction
- No pesticides or herbicides used onsite
- Cow flow fixtures and toilets
- Airlock vestibule
- Pre-plumbed rainwater harvesting and greywater system
- Resive solar design
- □ Durable materials
- Staggered stud construction
- Rermeable pathways
- All CFL lighting & LED lighting



Owner: Dave and Melody Ward

Builder: JKC, Inc.

Designer: Architectural Design Studios. LLC.

Award: Intermediate

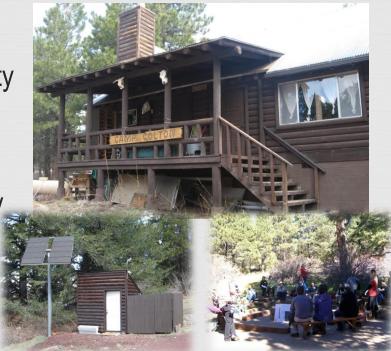
# FUSD Camp Colton & The Friends of Camp Colton

The Friends of Camp Colton with the support of a Community Task Group developed the Camp Colton Sustainability Action Plan (CCSAP) that was formally adopted on October 22, 2013

Site Preservation, Recreational & History

Transportation

Community Resource, Messaging & Stewardship



Owners: FUSD

Award: Community Model